

# APICAL INDUSTRIES, INC.

ENGINEERING CHANGE NOTICE NO. 03079

SHEET 1 OF 1

DWG NO. 646.4000

REV: A

PREPARED BY: N.CAP

DATE: 03/21/11

EFFECT ON DWG  
☐ INC. ☒ UNINC.

DWG TITLE: AS350 CABLE CUTTERS KIT

APPROVED BY:

ENGR

MFG

QC

EFF:

NEXT ORDER

TRANSACTION CODES (TC):  
A-ADD C-CREATE  
R-REVISE D-DELETE

REASON: CREATED FIXED AND CCK WITHOUT FIXED PROVISIONS KIT

SHEET 1, BOM, IS:

REF	REF	REF	65	647.5701	GPS MOUNT KIT			
	6		64	601.3151	WASHER	NS24694SS3P		
	2		63	601.2911	SCREW	NS24694SS3		
2	2	2	62	601.2637	SCREW	NS27039-1-16		
2	2	2	61	601.2763	BOLT	AK3-12A		
1		1	60	646.3913	SHIM			
4		4	59	646.3912	SHIM			
1		1	58	646.3911	SHIM			
4		4	57	646.3910	SHIM			
5		5	56	600.1013	PRIMER			
8 FT		8 FT	55	600.0129	VHB TAPE			
1		1	54	600.1012	SEALANT	PR-1425 CLASS B		
A004	A003	A002	A001	FINI #	PART #	DESCRIPTION	MAT'L	SPEC.

	1	1	53	600.0991	MAGNIBOND 6398 PART B			
	1	1	52	600.0990	MAGNIBOND 6398 PART A			
	8	8	51	601.2826	BOLT	ANC-11A		
		2	50	646.3814	WIPER BRACKET			
		2	49	601.2910	SCREW	NS27039-1-18		
2		2	48	601.1365	SCREW	NS27039-1-10		
2		2	47	646.3719	DOUBLER			
	2	2	46	646.3718	CUSTOM WASHER			
1		1	45	646.3717	DOUBLER			
	22	2	44	601.1948	SCREW	NS27039-1-19		
	2	2	43	601.1952	SCREW	NS27039-1-20		
	4	4	42	601.1956	SCREW	NS27039-1-21		
	2	2	41	601.2829	SCREW	NS24694SS4		
	2	2	40	601.2831	RIVET	NS20426AUS-7		
	1	1	39	646.3716	GAUGE BRACKET			
	6	6	38	601.1953	SCREW	NS27039-1-12		
2		2	37	646.3715	STRUT DOUBLER			
	2	2	36	601.2824	BOLT	ANC-5A		
36		36	35	601.2277	RIVET	CR20433-3-02		
	18	18	34	600.0795	NUTPLATE	NS21047-3		
3		3	33	601.2565	RIVET	NS20470AUS-7		
1		1	32	646.3813	STRUT BRACKET			
4		4	31	601.2822	BOLT	ANC-3A		
2		2	30	646.3812	GUSSET BRACKET			
8		8	29	601.2564	RIVET	NS20470AUS-6		
1		1	28	646.3714	GUSSET			
	1	1	27	646.3610	FILLER			
	1	1	26	601.2830	SCREW	NS24694SS3S		
	2	2	25	601.2825	BOLT	ANC-6A		
	1	1	24	646.3811	RADIUS BLOCK			
	1	1	23	646.3712	CLIP			
	1	1	22	646.3711	CLIP			
8		8	21	601.2832	RIVET	NS20470AUS-5S		
14		14	20	601.2020	RIVET	CR2123-5-3		
10		10	19	601.2823	BOLT	ANC-4A		
	1	1	18	601.2827	BOLT	ANC-13A		
	5	5	17	601.2912	SCREW	NS24694SS3L		
1		1	16	646.3713	GUSSET			
	1	1	15	646.3210	SUPPORT			
1		1	14	646.3710	DOUBLER			
	1	1	13	646.3110	CHANNEL			
8	55	6	12	601.1624	LOCKNUT	NS21042L3		
18	116	16	11	601.1607	WASHER	NS21047SS3P		
		1	10	646.3411	RH WIPER DEFLECTOR			
		1	9	646.3410	LH WIPER DEFLECTOR			
	1	1	8	646.3513	STRUT			
	1	1	7	646.3512	STRUT			
	1	1	6	646.3511	STRUT			
	1	1	5	646.3510	STRUT			
2		2	4	646.3810	BRACKET			
	1	1	3	646.2910	DEFLECTOR			
	1	1	2	646.3001	LOWER CUTTER ASSY			
	1	1	1	646.3301	UPPER CUTTER ASSY			
X				646.4004	FIXED PROVISIONS KIT			
	X			646.4003	CABLE CUTTERS KIT WITHOUT FIXED PROVISIONS			
		X		646.4002	AS350 WIPER DEFLECTOR KIT			
			X	646.4001	AS350 CABLE CUTTERS KIT			
A004	A003	A002	A001	FIND #	PART #	DESCRIPTION	MAT'L	SPEC.

DOCUMENTS EFFECTED:

☒ MDL ☒ INSTALL INSTRU ☒ ICA ☒ BOM

CHANGE CATEGORY  
☐ MAJOR ☒ MINOR

DER REVIEW REQUIRED  
☐ YES ☒ NO

APICAL  
INDUSTRIES, INC.

ENGINEERING CHANGE NOTICE NO. 03046

SHEET 1 OF 1

DWG NO. 646.4000

REV: A

PREPARED BY J. JACKSON

DATE: 01/24/11

EFFECT ON DWG  
☐ INC. ☒ UNINC.

DWG TITLE: AS350 CABLE CUTTERS KIT

APPROVED BY: ENGR *[Signature]*

MFG *[Signature]*

QC *[Signature]*

EFF: NEXT ORDER

TRANSACTION CODES (TC):  
A-ADD C-CREATE  
R-REVISE D-DELETE

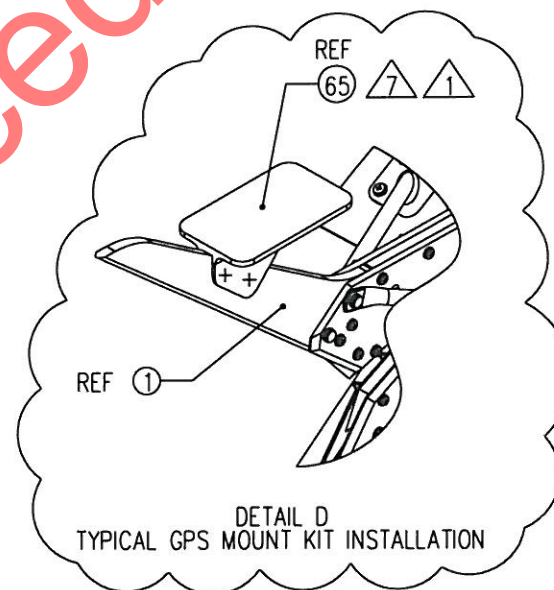
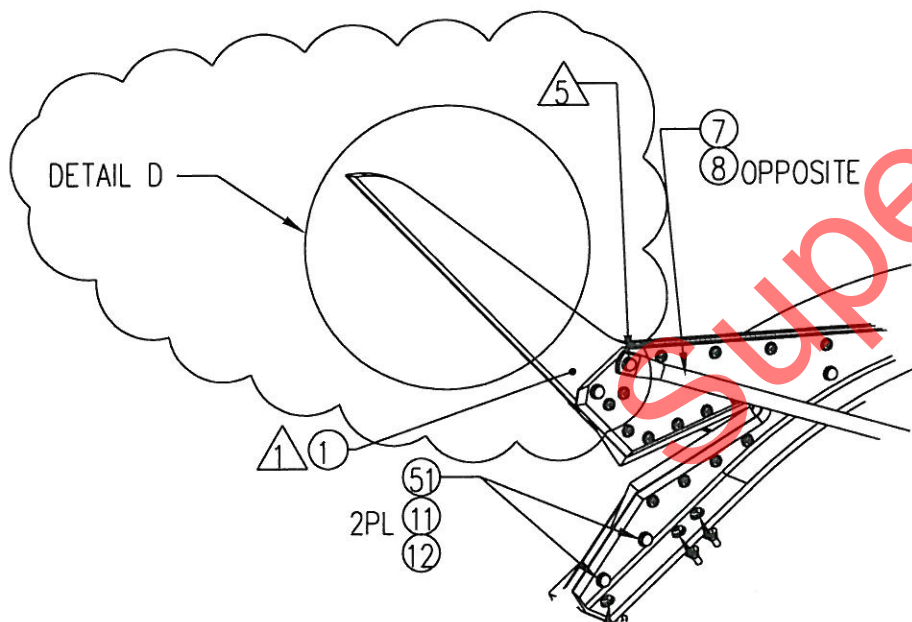
REASON: ADDED GPS MOUNT KIT, F/N 65. REVISED DRAWING VIEWS.  
ADDED NOTE 7.

SHEET 1, ZONE B1 IS:

7 AT CUSTOMERS OPTION, INSTALL F/N 65 BY MATCH DRILLING ONTO F/N 1.

SHEET 2, ZONE A4 IS:

SHEET 2, ZONE B2 IS:



65	A	647.5701	REF	GPS MOUNT KIT	7	
F/N	TC	PART NUMBER	QTY	DESCRIPTION	MATERIAL	SPECIFICATION
DOCUMENTS EFFECTED:					CHANGE CATEGORY	DER REVIEW REQUIRED
					<input type="checkbox"/> MAJOR <input checked="" type="checkbox"/> MINOR	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO



THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF APICAL INDUSTRIES. ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF APICAL INDUSTRIES IS PROHIBITED.

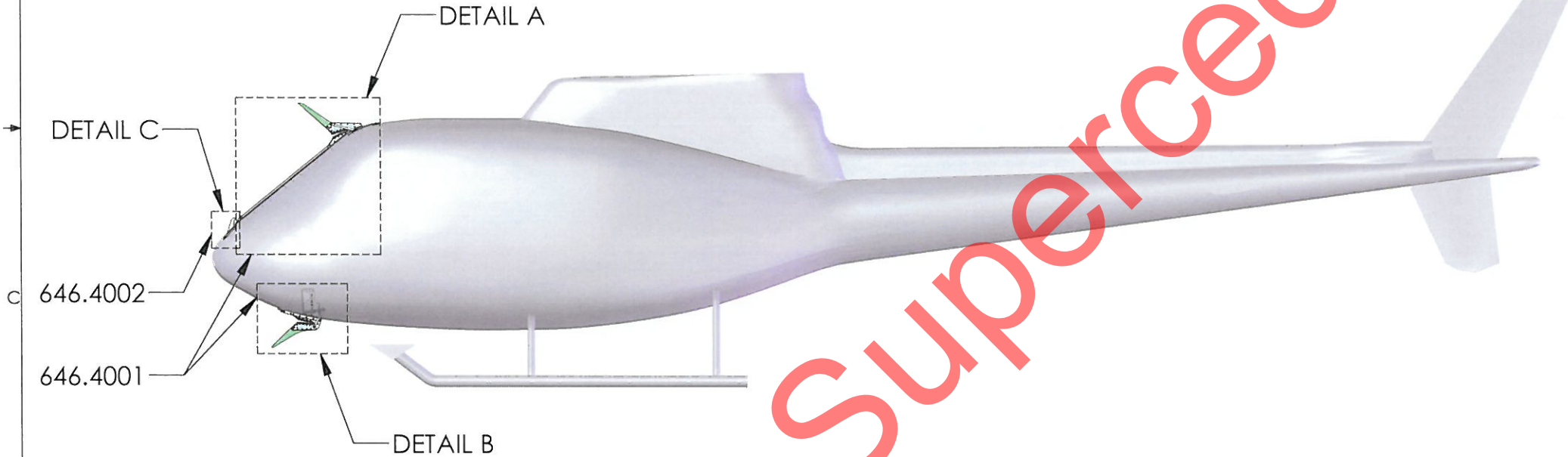
REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	INCORPORATED ECNS 02199, 02351, 02719 & 02765	02/08/2010	P. BRAVO

NOTES:

- 1 AFTER INSTALLATION, APPLY F/N 54 A/R TO FILL GAPS AND FILLET EDGES
- 2 INSTALL F/N 14 WITH F/N 52 & 53
- 3 3M VHB ADHESIVE TAPE .025" THICK X .50" WIDE  
VENDOR : MCMASTER-CARR P/N 75935A651
- 4 3M TAPE PRIMER 94, APPLY TO BOTH SURFACES A/R BEFORE TAPE  
VENDOR: R.S. HUGHES P/N 021200-24216
- 5 REUSE FASTENERS FROM F/N 1
- 6 USE WASHERS AS REQUIRED AS SHIMS TO OBTAIN BEST FITMENT

UNIFORM STATED ECN(S)

03046, 03079,

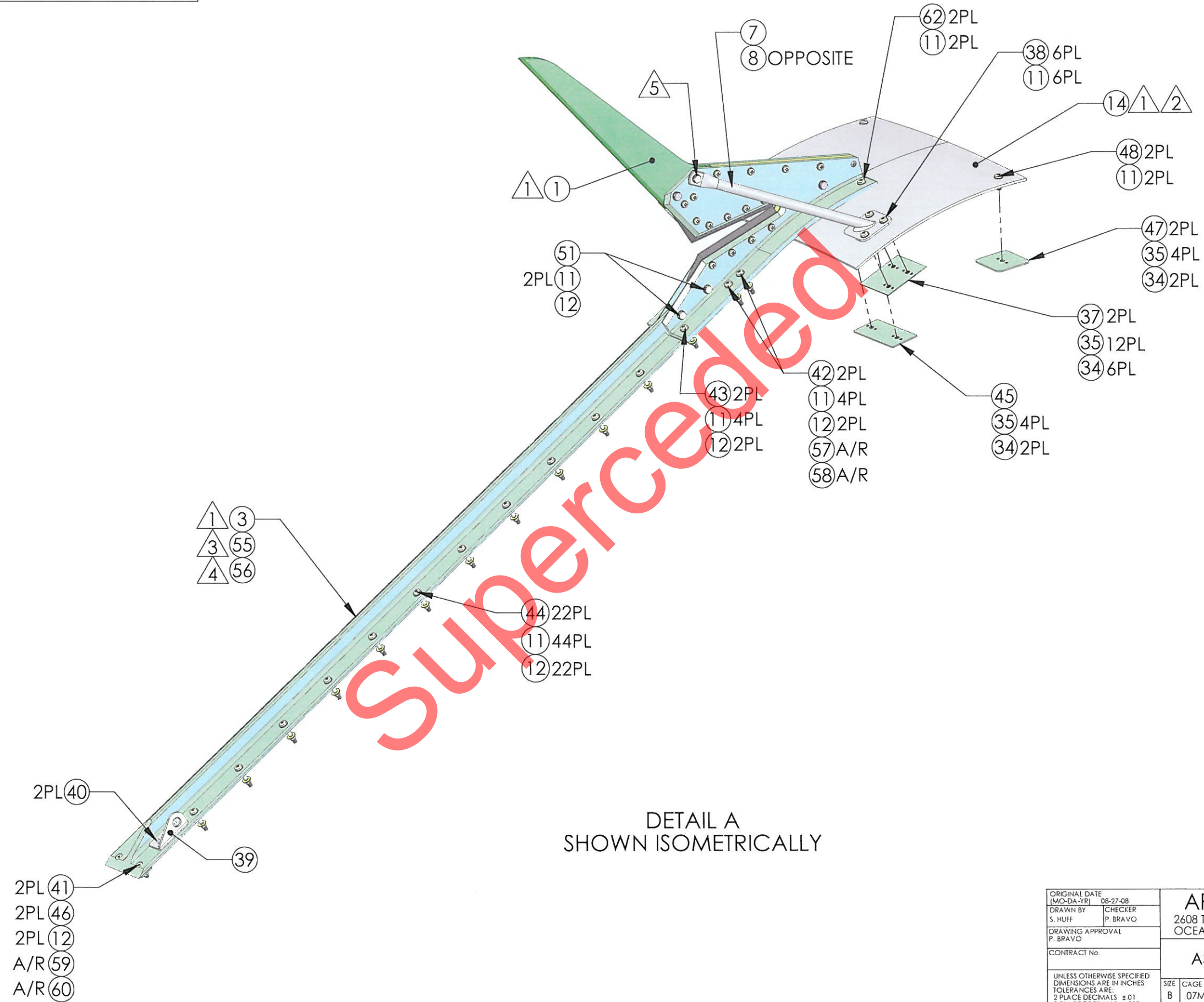


6	64	601.3151	WASHER	NAS1149F0363P	
2	63	601.2911	SCREW	MS24694S53	
	2	62	601.2637	SCREW	MS27039-1-16
	2	61	601.2763	BOLT	AN3-12A
	1	60	646.3913	SHIM	
	4	59	646.3912	SHIM	
	1	58	646.3911	SHIM	
4002	4001	FIND #	PART #	DESCRIPTION	MAT'L SPEC.

	4	57	646.3910	SHIM	
	5	56	600.1013	PRIMER	
	8 FT	55	600.0129	VHB TAPE	
1	1	54	600.1012	SEALANT	PR-1425 CLASS B
	1	53	600.0991	MAGNOBOND 6398 PART B	
	1	52	600.0990	MAGNOBOND 6398 PART A	
	8	51	601.2826	BOLT	AN3-11A
2		50	646.3814	WIPER BRACKET	
2		49	601.2910	SCREW	MS27039-1-18
	2	48	601.1365	SCREW	MS27039-1-10
	2	47	646.3719	DOUBLER	
	2	46	646.3718	CUSTOM WASHER	
	1	45	646.3717	DOUBLER	
2	22	44	601.1948	SCREW	MS27039-1-19
	2	43	601.1952	SCREW	MS27039-1-20
	4	42	601.1956	SCREW	MS27039-1-21
	2	41	601.2829	SCREW	MS24694S54
	2	40	601.2831	RIVET	MS20426AD5-7
	1	39	646.3716	GAUGE BRACKET	
	6	38	601.1953	SCREW	MS27039-1-12
	2	37	646.3715	STRUT DOUBLER	
	2	36	601.2824	BOLT	AN3-5A
	36	35	601.2277	RIVET	CCR2645S-3-02
	18	34	600.0795	NUTPLATE	MS21047-3
	3	33	601.2565	RIVET	MS20470AD5-7
	1	32	646.3813	STRUT BRACKET	
	4	31	601.2822	BOLT	AN3-3A
	2	30	646.3812	GUSSET BRACKET	
	8	29	601.2564	RIVET	MS20470AD5-6
	1	28	646.3714	GUSSET	
	1	27	646.3610	FILLER	
	1	26	601.2830	SCREW	MS24694S55
	2	25	601.2825	BOLT	AN3-6A
	1	24	646.3811	RADIUS BLOCK	
	1	23	646.3712	CLIP	
	1	22	646.3711	CLIP	
	8	21	601.2832	RIVET	MS20470AD5-5.5
	14	20	601.2020	RIVET	CR3213-5-3
	10	19	601.2823	BOLT	AN3-4A
	1	18	601.2827	BOLT	AN3-13A
	5	17	601.2912	SCREW	MS24694S51
	1	16	646.3713	GUSSET	
	1	15	646.3210	SUPPORT	
	1	14	646.3710	DOUBLER	
	1	13	646.3110	CHANNEL	
6	63	12	601.1624	LOCKNUT	MS21042L3
16	134	11	601.1607	WASHER	NAS1149F0332P
1		10	646.3411	RH WIPER DEFLECTOR	
1		9	646.3410	LH WIPER DEFLECTOR	
	1	8	646.3513	STRUT	
	1	7	646.3512	STRUT	
	1	6	646.3511	STRUT	
	1	5	646.3510	STRUT	
	2	4	646.3810	BRACKET	
	1	3	646.2910	DEFLECTOR	
	1	2	646.3001	LOWER CUTTER ASSY	
	1	1	646.3301	UPPER CUTTER ASSY	
			646.4002	AS350 WIPER DEFLECTOR KIT	
			646.4001	AS350 CABLE CUTTERS KIT	
4002	4001	FIND #	PART #	DESCRIPTION	MAT'L SPEC.

QTY		PARTS LIST	
NEXT ASSY (S)		ORIGINAL DATE (MO-DA-YR) 08-27-08	APICAL INDUSTRIES
		DRAWN BY S. HUFF	2608 TEMPLE HEIGHTS DR.
		CHECKER P. BRAVO	OCEANSIDE, CA. 92056-3512 (760)724-5300
		DRAWING APPROVAL P. BRAVO 08-27-08	AS350 CABLE CUTTERS KIT
		CONTRACT No.	
		UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE:	SIZE B CAGE CODE 07MZ6 DWG. NO. 646.4000 REV. A
		2 PLACE DECIMALS ±.01	SCALE NONE SHEET 1 OF 4
		3 PLACE DECIMALS ±.005	
		ANGLES ± .5°	

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF  
APICAL INDUSTRIES ANY REPRODUCTION IN PART OR WHOLE WITHOUT  
THE WRITTEN PERMISSION OF APICAL INDUSTRIES IS PROHIBITED.

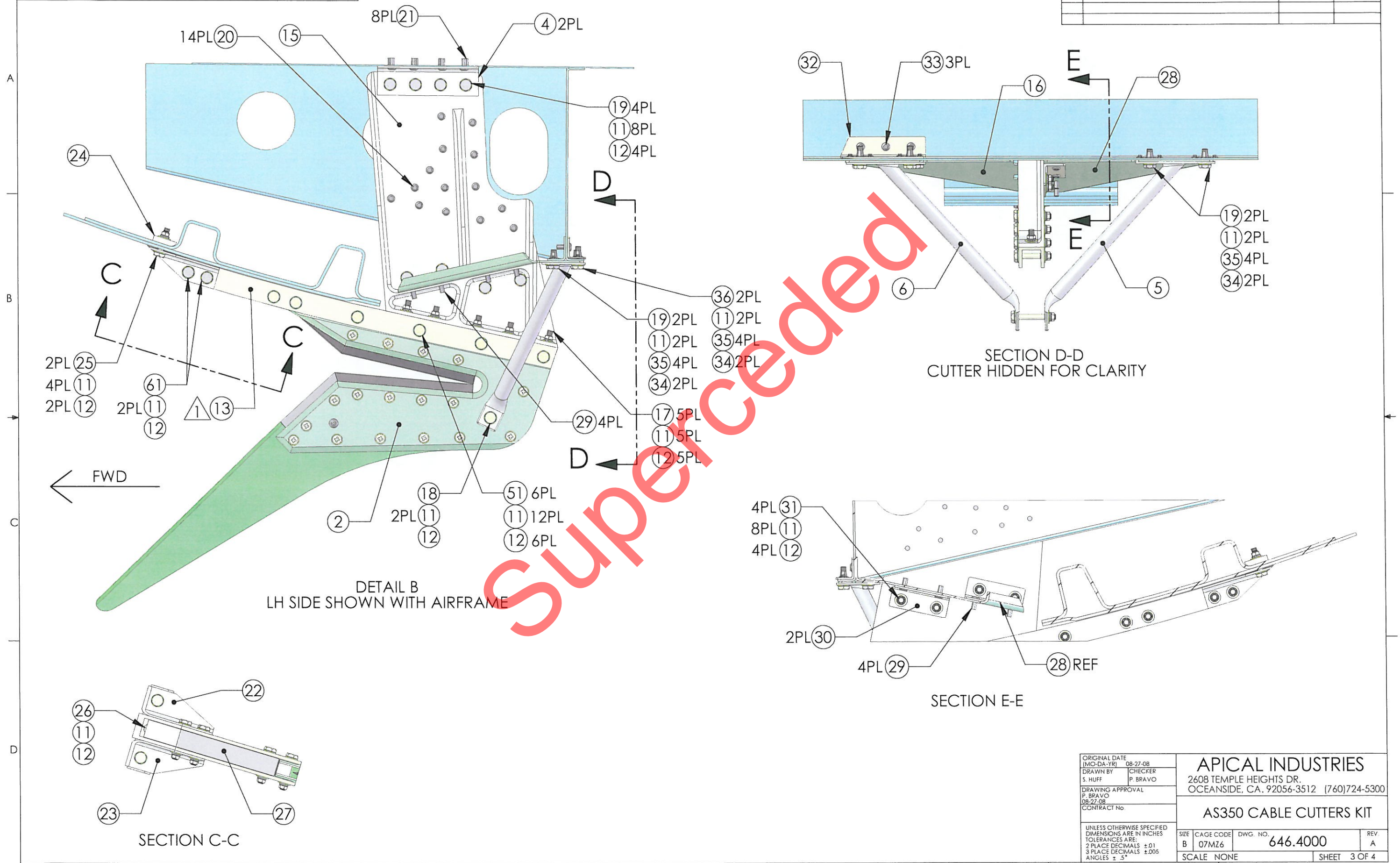


ORIGINAL DATE (MO-DA-YR) 08-27-08		APICAL INDUSTRIES	
DRAWN BY S. HUFF		2608 TEMPLE HEIGHTS DR. OCEANSIDE, CA, 92056-3512 (760)724-5300	
CHECKER P. BRAVO		AS350 CABLE CUTTERS KIT	
DRAWING APPROVAL P. BRAVO			
CONTRACT No.			
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLACE DECIMALS ±.01 3 PLACE DECIMALS ±.005 ANGLES ±.5°		SIZE B	REV. A
		CAGE CODE 07MZ6	DWG. NO. 646.4000
		SCALE: NONE	SHEET 2 OF 4



THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF APICAL INDUSTRIES. ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF APICAL INDUSTRIES IS PROHIBITED.

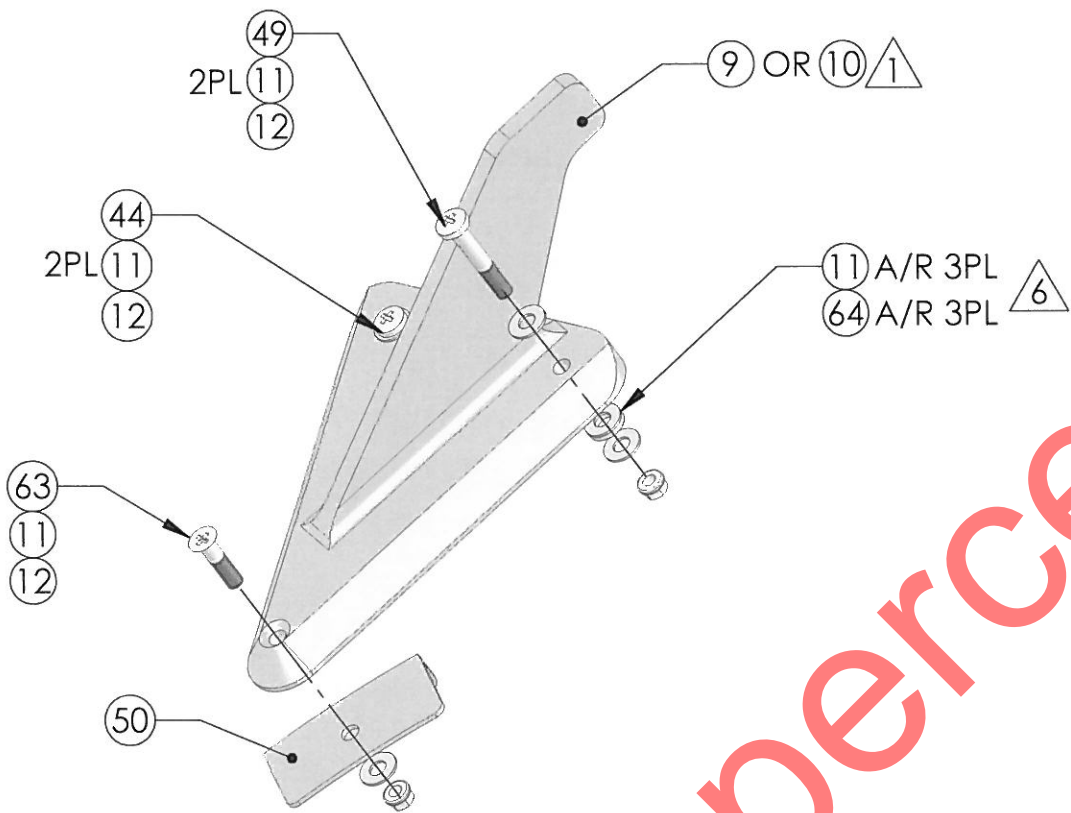
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED



ORIGINAL DATE (MO-DA-YR) 08-27-08		APICAL INDUSTRIES	
DRAWN BY S. HUFF	CHECKER P. BRAVO	2608 TEMPLE HEIGHTS DR. OCEANSIDE, CA. 92056-3512 (760)724-5300	
DRAWING APPROVAL P. BRAVO 08-27-08		AS350 CABLE CUTTERS KIT	
CONTRACT No.		SIZE B	REV. A
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLACE DECIMALS ±.01 3 PLACE DECIMALS ±.005 ANGLES ±.5°		CAGE CODE 07MZ6	DWG. NO. 646.4000
SCALE NONE		SHEET 3 OF 4	

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF APICAL INDUSTRIES. ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF APICAL INDUSTRIES IS PROHIBITED.

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED



DETAIL C  
LH SHOWN EXPLODED  
RH OPPOSITE

ORIGINAL DATE (MO-DA-YR) 08-27-08		APICAL INDUSTRIES	
DRAWN BY S. HUFF		2608 TEMPLE HEIGHTS DR. OCEANSIDE, CA. 92056-3512 (760)724-5300	
DRAWING APPROVAL P. BRAVO 08-27-08		AS350 CABLE CUTTERS KIT	
CONTRACT No.		SIZE B	REV. A
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLACE DECIMALS ±.01 3 PLACE DECIMALS ±.005 ANGLES ±.5°		CAGE CODE 07MZ6	DWG. NO. 646.4000
SCALE NONE		SHEET 4 OF 4	